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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIDATION NO	
	FILING DATE	FIRST NAMED HARMIOK	ATTORNET DOCKET NO.	CONFIRMATION NO.	
09/848,377	05/03/2001	Gregory Prince	469201-540	8081	
7590 06/16/2006			EXAMINER		
CARELLA, BYRNE, BAIN, GILFILLAN,			HILL, MYRON G		
6 Becker Farm 1	VART & OLSTEIN		ART UNIT PAPER NUMBER		
Roseland, NJ			1648		
			DATE MAILED: 06/16/2006	. .	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	•
Office Action Summary		09/848,377	PRINCE ET AL.	
		Examiner	Art Unit	
		Myron G. Hill	1648	
Period fo	- The MAILING DATE of this communication apports Reply	pears on the cover sheet	with the correspondence addr	'ess
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLECHEVER IS LONGER, FROM THE MAILING Densions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statutor reply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	PATE OF THIS COMMU 136(a). In no event, however, may will apply and will expire SIX (6) Me e, cause the application to become	NICATION. The a reply be timely filed ONTHS from the mailing date of this come ABANDONED (35 U.S.C. § 133).	•
Status				
1)⊠	Responsive to communication(s) filed on 20 M	<i>March 2006</i> .		
2a) <u></u>	This action is FINAL . 2b)⊠ This	s action is non-final.		
3)□	Since this application is in condition for allowa	nce except for formal m	atters, prosecution as to the n	nerits is
	closed in accordance with the practice under I	Ex parte Quayle, 1935 C	.D. 11, 453 O.G. 213.	
Disposit	ion of Claims			
5)□ 6)⊠ 7)□	Claim(s) 1-21,25-27 and 31-40 is/are pending 4a) Of the above claim(s) 1-21 and 25-27 is/ar Claim(s) is/are allowed. Claim(s) 31-40 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	e withdrawn from consid	eration.	•
Applicat	ion Papers			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine The specification is objected to be specification.	cepted or b) objected drawing(s) be held in abey tion is required if the drawi	vance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR	
Priority ι	under 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureasee the attached detailed Office action for a list	ts have been received. ts have been received in rity documents have been u (PCT Rule 17.2(a)).	Application No en received in this National St	lage
Attachmen	t(s) ce of References Cited (PTO-892)		w Summary (PTO-413)	•
3) 🔯 Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date 3/20/06.		o(s)/Mail Date of Informal Patent Application (PTO-1	52)

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/20/2006 has been entered.

This action is on claims 31-40.

Information Disclosure Statement

A signed and initialed copy of the IDS paper filed 3/20/2006 is enclosed.

Rejections Withdrawn

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Rejections Necessitated By Amendment

Claim Rejections - 35 USC § 103

Claims 31-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prince et al. (US PAT 5290540, 1 March 1994 issue date) and Johnson et al. (USPAT 5824307, October 20, 1998 issue date) in view of Bulow et al. and Smyth et al.

The claims are drawn to a method of treating RSV with a combination treatment of antiviral antibody and anti-inflammatory agent.

Applicant argues that the references alone or in combination do not teach systemic administration of both antiviral and anti-inflammatory agents. Applicant also argues that Prince *et al.* (NPL post filing) teach the reluctance of using systemic steroids and Bulow *et al.* (latest IDS) teach against the use of steroids systemically.

Applicant's arguments have been fully considered and not found persuasive.

In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

Bulow *et al.* does not teach away from the combination therapy with antibodies Bulow *et al.* teach that steroids were not effective as a adjunct to conventional RSV therapies (page 3, column 2, top). Also, the teachings do not indicate that there was an adverse effect, but that the use of the steroid did not result in an improvement of the conventional therapy outcome.

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Prince et al. (NPL post filing) teach systemic combination administration and the reluctance to use systemic steroid (conclusion). This reluctance is as discussed above in Bulow et al., that there was not a positive outcome to the treatment.

Prince et al. (US PAT) was discussed in the previous action and teach anti-viral antibody and anti-inflammatory agent combination treatment of RSV infection.

Prince et al. do not teach systemic administration of anti-infectious agent antibody (MEDI-493) or steroid.

Johnson et al. was discussed in the previous action.

One of ordinary skill in the art at the time of invention would have known that antibodies could be administered systemically with the expectation of success (column 1, lines 33-35 of Johnson *et al.*). The use specific recombinant antibodies avoids the limitations as taught in Johnson *et al.* that RSVIG therapy has the disadvantages of large volumes and venous access, and regular hospital visits (column 1, lines 37-48). The use of the antibodies of Johnson *et al.* avoids the limitations by being higher titer (antiRSV and antibodies per ml) and thus requires less antibody to be delivered and because it is a humanized recombinant antibody, it would not raise an inappropriate immune response to the antibody itself.

The use of systemic administration of steroids was known and was not known to be detrimental to the patient (Bulow *et al.*)

Prince et al. (US PAT) teach that the combination of antiviral and antiinflammatory are useful in treating respiratory infections because the combination act on the virus and the patient (column 4, lines 60-65). RSV is known in the art to produce an inflammatory response (conclusion of abstract, Smyth et al.). One of skill in the art at the time of invention would be motivated to use a combination therapy to treat RSV infection because the combination treats both the virus and the body's response to the virus.

Thus, it would be prima face obvious to modify the method of Prince et al. to use the antibody of Johnson et al. and give the antibody systemically and anti-inflammatory agent systemically with the expectation of success because Prince et al. (US PAT) has shown that the anti-inflammatory is used against inflammatory response and is not used as an antiviral.

Conclusion

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Myron G. Hill whose telephone number is 571-272-0901. The examiner can normally be reached on 8:30 am-5 pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bruce Campell can be reached on 571-272-0974. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Myron G. Hill **Patent Examiner** 6 June 2006

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